

KLARNER, T.

Selecting the size of a transformer in a factory. p. 3, (GOSPODARKA CIEPLNA.
ENERGETYKA PRZEMYSLOWA, Vol. 1, No. 6, Dec.1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5
May 1955, Uncl.

KLARNER, T.

"Economy of Electric Power as a basic Problem in the National Economy",
p. 439; Tasks of Technical Personnel in the Economy of Electric Power",
p. 442; "Sinterolivin, a New Material", p. 443, (PRZEGLAD TECHNICZNY,
Vol. 75, No. 12, Dec. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, No. 5,
May 1955, Uncl.

KLARNER, T.

Principles of measurement and control for determination of electric power consumption of power plants. Tr. from the German. p.277.
(MAGYAR ENERGIAGAZDASAG. Vol. 8, no. 7, July 1955. Budapest.)

SO: Monthly List of East European Accession. (EEAL). Lc. Vol 4 Nov. 11 Nov. 1955 Uncl.

KLARNER, T.

KLARNER, T. Application of condensers for the correction of the power factor.
p. 436.

Vol. 31, No. 7, July 1955
PRZEGLAD ELEKTROTECHNICZNY
TECHNOLOGY
Poland

So: East European Accession, Vol. 5, No. 5, May 1956

KLARIER, T.

Economic incentives in new electric tariffs. p.97.

WIADOMOŚCI ELECTROTECHNICZNE (Stowarzyszenie Elektryków Polskich, Centralny Zarząd Energetyki, Centralny Zarząd Przemysłu Maszyn Elektrycznych, Centralny Zarząd Przemysłu Kablowego) Warszawa
Vol. 6, no. 5, May 1956

So. East European Accessions List

Vol. 5, No. 9

September 1956

KLARNER, T.

Economic computation of the proper power of a transformer in the light of new rates. p. 275

ENERGETYKA PRZEMISLOWA. (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektrykow Polskich) Warszawa, Poland. Vol. 7, no. 8, Aug. 1959

Monthly List of East European Accessions (KEAI) LC, Vol. 9, no. 3, Jan. 1960

Uncl.

KLARNER, T.; STRASZEWSKI, K.; SZUMILIN, W.

11th Congress of the International Union of Producers and Distributors of electric Power, Lausanne 1958. Pt. 2 (to be cont.). p. 118

ENERGETYKA (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektrykow Polskich) Bytom, Poland. Vol. 13, no. 4, Apr 1959

Monthly List of East European Accessions (IEAI) LC, Vol. 8, no. 9, September 1959.
Uncl.

KLARNER, T.; STRASZEWSKI, K.; SZUMILIN, W.

11th Congress of the International Union of Producers and Distributors of Electric Power, Lausanne, 1958. Pt. 3. p. 111

ENERGETYKA (Ministerstwo Gornictwa i Energetyki oraz Stowarzyszenie Elektrykow Polskich) Bytom, Poland. Vol. 13, no. 5, May 1959

Monthly List of East European Accessions (KEAI) LC, Vol. 8, no. 9, September 1959
Uncl.

KLARNER, Tadeusz, mgr., inż.

Achievements of the Electrification Committee of Poland, Polish
Academy of Sciences. Energetyka przem 9 no.11:377-378 '61.

KLARNER, Tadeusz, mgr., inż.

Technical and economic engineering in electric power engineering.
Przegl elektrotechn 37 no.12:489-490 '61.

1. Komitet Elektryfikacji Polski Polskiej Akademii Nauk.

(Poland—Electric power)

KLARNER, Tadeusz, mgr ins.

General remarks on the International Symposium on the Rationali-
zation of Electric Power Consumption. Energetyka przem 10
no.9:302-305 8 '62.

KLARNER, Tadeusz, mgr. inż.

New tariff for reactive power. Energetyka Pol 17 no.4:120-
123 Ap '63.

KLARBER, Z.

TECHNOLOGY

PERIODICAL: BUDOWNICTWO PRZEMYSLOWE. Vol. 7, no. 9, Sept. 1958

KLARBER, Z. Building of Stalowa Wola. p. 2.

Monthly List of East European Accessions (MEAI) LC Vol. 8, no. 4.
April 1959, Unclass

Klarnet, Ts. Ye.
KLARNET, TS. Ye.; SEMENOVA, K. L.

Rare metastatic tumors of the brain. Vop. neirokhir. 21 no. 6:57
M-D '57. (MIRA 11:2)

1. Klinika nervnykh bolezney i neyrokhirurgii i kafedra patologicheskoy anatomii Rostovskogo-na-Donu meditsinskogo instituta.
(BRAIN--TUMORS)

KLARNET, TS. Ye.; DOMEROVSKAYA, Ye.A.

Acquired toxoplasmosis of the brain with a tumorlike course.
Zh. nevropat. psikiat. Korsakov 63 no.3:388-391 '63

(MIRA 17:1)

1. Kafedra nervnykh bolezney (sav. - prof. V.A. Nikol'skiy)
i kafedra patologicheskoy anatomii (sav. - doktor med. nauk
I.I.Dorokhov) Rostovskogo meditsinskogo instituta.

KLARHET, TS.Ye.; RYKA, L.A.

Atypical forms of poliomyelitis. Zhur.nevr.i psikh. 58 no.3:294-299
'58. (MIRA 13:3)

1. Klinika nervnykh bolezney (sveduyushchiy - prof. V.A. Nikol'skiy)
Rostovskogo meditsinskogo instituta i A-skoy rayonnoy bol'nitsy
(glavnyy vrach A.M. Samsonova).

(POLIOMYELITIS case reports,
atypical forms in musc. & joints (Rus))

KLARIN, TS.Ye.

Diagnostic aspects in cerebral abscesses. Vop.neirokhir. 22
no.6:28 N-D '58. (NIRA 12:2)

1. Kafedra nervnykh bolezney i neyrokhirurgii Rostovskogo-na-Donu
meditsinskogo instituta.
(BRAIN, abscess,
diag. (Rus))

KLAROV, Yu. (Odessa)

Behind a beautiful facade. Okhr. truda i sots. strakh. 6
no.5:29-30 My '63. (MIRA 16:8)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'-
noye strakhovaniye."
(Odessa--Postal service--Building)

KLAROV, Yu.

Foreman of a health workshop. Okhr. truda i sots. strakh: 5
no.9:16-17 8 '62. (MIRA 16:5)

(MEDICINE, INDUSTRIAL)

KLAROWSKI, R.

Remarks on health conditions of spruce stands in Olstyn Voivodeship. p. 41.

SYLMAN. (Wydział Nauk Rolniczych i Lesnych Polskiej Akademii Nauk i Polskie Towarzystwo Lesne) Warszawa, Poland Vol. 101, no. 8, Aug. 1957

Monthly list of East European Accessions Index (KEAI), LC, Vol. 8, no. 6,
June 1959
uncla.

OGIELSKA, Eugenia; KLARREICH, Stefan

A case of corneal mycosis cured by keratoplasty. Klin. oczna
34, no.1:69-72 '64.

1. 2 Kliniki Ocznej AM we Wrocławiu; kierownik: prof. dr. med.
W.J. Kapuscinski.

KLARFELD, S.

KLARFELD, S. Study on the phonic behavior of floors with elastic layers. p. 3.

Vol. 7 no. 305, Nov. 1955

CONSTRUCTORUL

Bucuresti, Rumania

So: Eastern European Accession Vol. 5 No. 4 April 1956

KLARSFELD, S.

About magnetic-power lines. p. 71.
(ANALELE. SERIA STIINTELOR NATURII. Romania. Vol. 5, no. 11, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

On Linear Oscillations in Relativity Theory

Marin, G. J. & Marin, E. Sur l'oscillateur harmonique relativiste. An. Univ. "C. I. Parhon" Bucuresti. Ser. Sti. Nat. 6 (1957), no. 13, 53-57. (Romanian. French and Russian summaries)

The author integrates the differential equations of the linear harmonic oscillator with a variable mass, as in relativity theory. The solution is expressed in elliptic integrals. The problem is not posed in a relativistically invariant form.

L. Marin (Minneapolis, Minn).

1-2 FW

On the Energy-Momentum Tensor in the Electrodynamics of Bopp

7561:

Klein, S. Sur le tenseur d'énergie-impulsion dans l'électrodynamique de Bopp. An. Univ. "C. I. Parhon" Bucuresti, Ser. Sti. Nat. 6 (1967), no. 18, 59-62. (Romanian. French and Russian summaries)

The author shows that the present expression deduced for the symmetrical energy-momentum tensor in the relativistic electro-dynamic theory of Bopp differs from that deduced by Bopp [cf. Ann. Physik (5) 38 (1940), 345-384; 42 (1942), 573-608; MR 2, 336; 3, 124].

K. Bhagwandin (Oslo)

4
1-FW

KLARSFELD, S.

HUMANIA/Theoretical Physics - Classical Electrodynamics. Classical Field Theory B-3

Abstr Jour : Ref Zhur - Fizika, No 6, 1958, No 12351

Author : Klarsfeld, S.

Inst : Not Given

Title : Conservation Laws in the Bopp Electrodynamics

Orig Pub : An. Univ. "G.J. Parhon". Ser. stiint. natur., 1957, No 15, 63-66

Abstract : The author examines the laws of conservation and the expression for the symmetric energy-momentum tensor in the Bopp-Podol'skiy electrodynamics. To obtain $T_{\mu\nu}$, use is made of the Noether theorem and of the symmetrization of the canonical tensor by the Belinfante method. The results agree with that obtained by the author with the Hilbert method.

Card : 1/1

Method, which provides a convenient way of obtaining the plant (x, x_4) .

Card 1/1 APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722930012-5

RUMANIA/Theoretical Physics - Classical Electrodynamics. Classical Theory of Fields B-3

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 154

Author : Klarsfeld S.

Inst : -

Title : On the Variational Principle in Field Theory

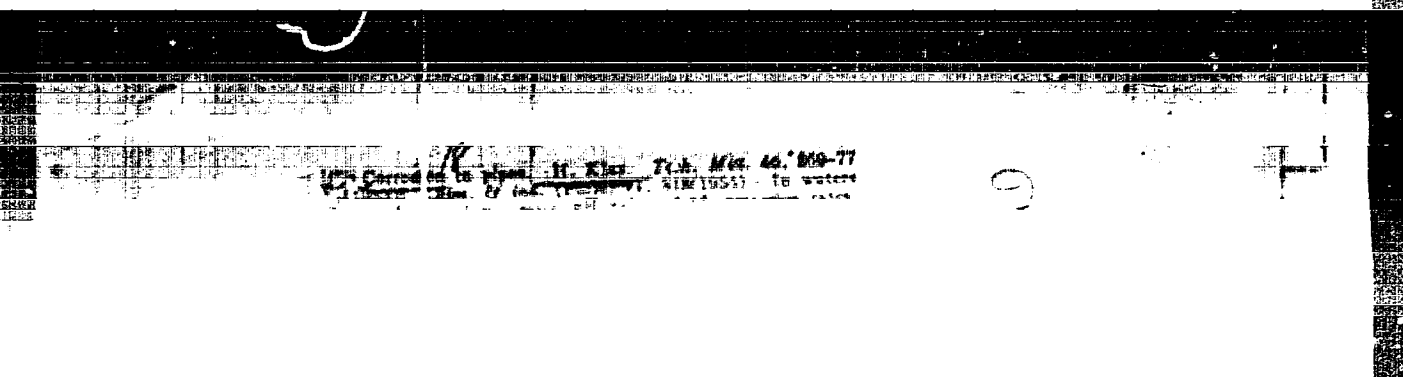
Orig Pub : Commun. Acad. RPR, 1958, 8, No 2, 159-163

Abstract : It is shown that if the Lagrangian function $L(\psi_A, \dot{\psi}_A; \sigma)$ is a quadratic invariant, built up of the potential ψ_A and their derivatives (which corresponds to the linear theories), then the symmetrization of the canonical energy-momentum tensor cannot be realized by changing the Lagrangian function in accordance with the formula $L' = L + \partial_\alpha \Lambda_\alpha$.

Card : 1/1

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722930012-5

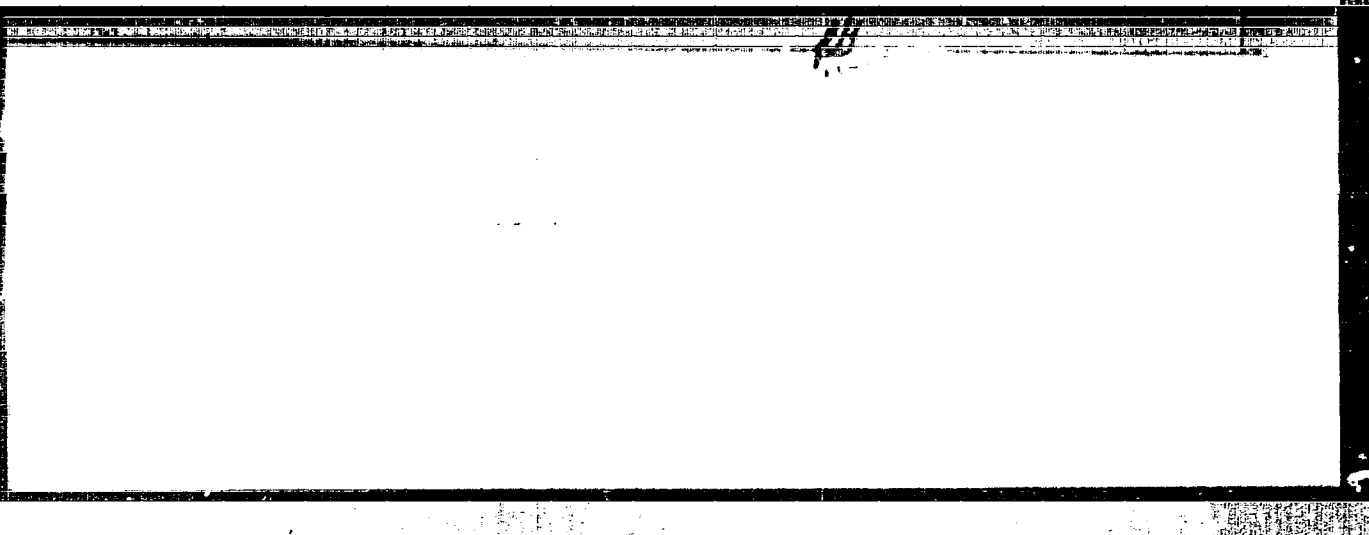


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APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722930012-5"

2/043/63/000/002/002/003

AUTHORS: Tolgyessy, J., Čardínová, M., Klas, J.

TITLE: Determination of calcium salts by measuring the intensity of reflected beta radiation.

PERIODICAL: Chemické zvesti, ¹⁷no. 2, 1963, 140-145.

TEXT: Beta radiation particles change their direction of flow by interaction with atoms. Backward flow is called reflected radiation. Mechanism of this is complicated and not fully explained; empirical knowledge allows use of it in chemical analysis. Reflection depends on atomic number of the examined material, thickness of the sample, its geometrical shape and physical properties. The authors applied the method for the determination of Ca in an injection solution of Ca gluconate, CaCl_2 solution and in yellow sulfur ointment (Unguentum sulfuratus flavum). The apparatus consisted of a ring shaped radiation source with a lead shield and a Geiger-Müller counter. The authors used $\text{Tl } 204$ with a half-life of 2.7 years and an energy of 0.76 MeV. A working method is described and a calibration curve is shown, which was designed for the apparatus using samples of known concentration of calcium. Results obtained with the 3 chemicals mentioned were within 1%. The method gives fast results without damage to the analysed sample. 3 figures, 3 tables, 2 Western, 6 Czech

Card 1 of 2

2/043/63/000/002/002/003

Determination of calcium....

references.

ASSOCIATION: Katedra rádiochemie a jadrovej chémie Slovenskej vysokej školy
technickej, (Chair of Radiochemistry and Nuclear Chemistry at the
Slovak Technical University) Bratislava. Krajské kontrolné labora-
torium KUMI Západoslovenského kraja (Regional Control Laboratory of
the Public Health Institute of Western Slovakia) Bratislava.

Card 2 of 2

KLAS, Jan, promovany chemik

Contribution to the analysis of two-component systems by the beta rays reflection method. Chem svesti 17 no.7:498-503 '63.

1. Katedra radiochemie a radiačnej chemie, Slovenská vysoká škola technická Bratislava, Kollárovo námestí 2.

SARSUNOVA, Magda, dr., PhDr., CSc.; KLAS, Jan, promovany chemik; TOLGYESSY,
Juraj, doc., inz., CSc.

Determining copper and zinc in some drugs by the measurement of
intensity of reflected beta rays. Chem zvesti 17 no.7:504-509 '63.

1. Krajske kontrolne laboratorium, Krajsky ustav narodneho zdravia
Zapadoslovenskeho kraja, Bratislava, Radlinského 20 (for Sarsunova).
2. Katedra radiochemie a radiačnej chemie, Slovenska vysoka skola
technicka, Bratislava, Kollarovo namesti 2 (for Klas, Tolgyessy).

ACCESSION NR: APOC18495

2/0013/64/000/000/0114/0117

AUTHOR: Klee, Jan (Klee, Ja.) (Chemist)

TITLE: Analysis of multicomponent systems by means of reflected Beta radiation

SOURCE: Chemische weekb., no. 2, 1964, 144-147

TOPIC TAGS: multicomponent system, two-component system, Beta radiation reflection, system analysis, chemistry

ABSTRACT: Equations for the analysis of multicomponent mechanical mixtures are followed step by step. It is shown, that when i (the number of different kinds of atoms in the system) is equal to 3, the determinants of a system of equations will be equal to zero and the system will have no solution. Thus, it is possible to write only one equation on the basis of reflected Beta radiation measurements and only two-component systems can be analysed. The two parts of a two-component system are represented by their average atomic numbers average $Z_{\text{sub } 1}$ and average $Z_{\text{sub } 2}$, which are constant for the given system. The corresponding Beta radiation reflection constants are average $n_{\text{sub } 1}$ and average $n_{\text{sub } 2}$. Proportions by weight, $a_{\text{sub } 1}$ and $a_{\text{sub } 2}$. Then $\text{aver. } Z = a_{\text{sub } 1} \text{ aver. } Z_{\text{sub } 1} + a_{\text{sub } 2} \text{ aver. } Z_{\text{sub } 2}$; $\text{aver. } n = a_{\text{sub } 1} \text{ aver. } n_{\text{sub } 1} + a_{\text{sub } 2} \text{ aver. } n_{\text{sub } 2}$; $1 = a_{\text{sub } 1} + a_{\text{sub } 2}$.

Card 1/2

ACCESSION NR: AP4018695

Beta reflection is a linear function of a sub 1 or a sub 2. Orig. article has: 15 equations.

ASSOCIATION: Katedra Radiochemie a radianej chemie Slovenskej vysokej školy technickej (Faculty of Radiochemistry and Radiation Chemistry, Slovakian Technological University) Bratislava.

SUBMITTED: 27th 63

DATE ACQ: 27th 63

NRCL: 00

SUB CODE: CH, NS

NO. REF SOV: 003

OTHER: 003

Card 2/2

TOIGYESSY, Juraj; KHIVAN, Viliam; VARGA, Stefan; KIAS, Jan

Utilisation of the beta ray reflection in chemical analysis.
Jaderna energie 10 no. 3:85 Mr '64.

1. Department of Radiochemistry and Radiation Chemistry,
Faculty of Chemistry, Slovak Higher School of Technology,
Bratislava.

KLAS, Jan, promovany chemik

Contribution to the analysis based on the isotope thinning of
a radioactive substance. Chem zvesti 18 no.4:250-258 '64

1. Department of Radiochemistry and Radiation Chemistry, Slovak
Higher School of Technology, Bratislava, Kollarovo namesti 2.

L 33238-66

ACC NR: AP6023639

SOURCE CODE: CZ/0043/65/000/009/0689/0694

AUTHOR: Klas, Jan--Klas, Ya. (Engineer; Bratislava) 29
B

ORG: Department of Inorganic Chemistry, Slovak Technical University, Bratislava
(Katedra anorganickéj chémie Slovenskej vysokej školy technickej)

TITLE: Determination of the point of equivalency in radiometric precipitation titrations based on the measurements of activity of the precipitates

SOURCE: Chemické zvesti, no. 9, 1965, 689-694

TOPIC TAGS: radiometry, titrimetry, chemical precipitation, radioactivity

ABSTRACT: An equation is derived for the expression of the activity of the precipitate as a function of the volume of the titration agent. When the solubility of the precipitate is very low, the titration curve is very nearly a straight line. After the equilibrium was reached, the activity remains constant. Orig. art. has: 1 figure and 12 formulas. [JPRS]

SUB CODE: 07 / SUBM DATE: 18May64 / ORIG REF: 002 / SOV REF: 001
OTH REF: 003

I 33240-66

ACC NR: AP6023010

SOURCE CODE: CZ/0043/65/000/009/0695/0698

AUTHOR: Klas, Jan--Klas, Ya. (Engineer; Bratislava)

ORG: Department of Inorganic Chemistry, Slovak Technical University, Bratislava
(Katedra anorganickej chémie Slovenskej vysokej školy technickej)

TITLE: Evaluation of precipitation titrations on the basis of the first precipitate formation

SOURCE: Chemická zvesti, no. 9, 1965, 695-698

TOPIC TAGS: chemical precipitation, titrimetry, solution concentration

ABSTRACT: A mathematical derivation of an equation by which the concentration of a solution on the basis of the first formation of precipitate can be calculated, is presented. This is a method that is suitable in such conditions where the precipitate is partly soluble in the solution and therefore the usual gravimetric methods or titration methods are not accurate. In this method it is not necessary to know the solubility of the precipitate in the solution. Orig. art. has: 6 formulas. [SPRS]

SUB CODE: 07 / SUBM DATE: 10Apr64 / ORIG REF: 001 /

Card 1/1

SUB CODE: 07, 20 / SUBM DATE: 09Apr65 / ORIG REF: 003 / OTH REF: 002

Card 1/1 CC

L 41674-66 ENP(x)/ETI IJP(E) JD

ACC NO: AP6031200

SOURCE CODE: CZ/0043/66/000/003/0202/0205

AUTHOR: Klas, Jan--Klas, Ya. (Engineer)

ORG: Department of Organic Chemistry, SVST, Bratislava (Katedra organickej chemie SVST)

TITLE: Calculation of the hydrogen ion concentrations in solutions containing several acids and bases

SOURCE: Chemické zvesti, no. 3, 1966, 202-205

TOPIC TAGS: dissociation constant, hydrogen ion

ABSTRACT: The author derived a generally applicable equation for the calculation of hydrogen ion concentrations. In aqueous solutions containing n acids or bases the equations were:

$$[H^+] = \sum_{i=1}^{n+1} \frac{K_i C_i}{[H^+] + K_i} + \frac{K_w}{[H^+]} + \dots + C ([H^+])$$

where H^+ is the concentration of hydrogen ions, K_i constants of dissociation and analytical concentration of the i acid, and K_w the ionisation product of water. Orig. art. has: 12 formulas. [JPRS: 36,002]

SUB CODE: 07 / SUBM DATE: 24Dec66 / SOV REF: 001 / OTH REF: 002

Cont. 1/1

VOJTISEK, Oldrich; HANSIKOVA, libuse; SULC, miloslav; KLAS, Jiri

Protein fractions & the Weltmann reaction in chronic rheumatic disease.
Cas. lek. cesk. 97 no.15-16:517-521 18 Apr 58.

1. Vyskumny ustav chorob revmatickych v Prase reditel prof. F. Lenoeh.
(ARTHRITIS, RHEUMATOID, blood in
protein fractions & Weltmann test (Cs))
(SPONDYLITIS, ANKYLOSING, blood in
same)
(BLOOD PROTEINS, in various dis.
rheum. arthritis & ankylosing spondylitis (Cs))
(BLOOD COAGULATION, in various dis.
Weltmann test in rheum. arthritis & ankylosing spondylitis (Cs))

MARSIKOVA, Libuse; VOJTISEK, Oldrich; SULC, Miloslav; KLAS, Jiri

logol solution test in rheumatic diseases. Cas. lek. cesk. 97 no.29:
909-913 11 July 58.

1. Vyskumny ustav chorob reumatickych, Praha, Reditel: prof. MUDr.
Frantisek Lenoch, L. M. Praha 2, Na Slupi 4.
(ARTHRITIS, RHEUMATOID, blood in,
proteins, logol solution precipitation test (Cs))
(BLOOD PROTEINS, in var. dis.
rheum. arthritis, logol solution precipitation test (Cs))

KLAS, Ladislav, inz. (Kladno); PEKAREK, Viktor, inz. (Kladno)

Precise electric control of limit tension of tension pulley
cables, used in hole boring. Elektrotechnik 17 no.1:11-12
Ja '62.

KLAS 2

YUHO.

The physiological analyses of the fertilizing effect of brown coal. I. The effect of the brown coal from the Zhenan Mine on the growth of mustard in aqueous cultures. V. B. Youk and Z. Kien. *Bull. Intern. acad. japonica sci. of biochem. sci.* (1953) 10, *Chuo sci. ser.*, *Div. 4*, 5-14 (1953) (in English).—See C.A. 48, 7120. II. Nitrogen as a component of the fertilizing effect of brown coal. *Ibid.* 10-33.—See C.A. 48, 7120. III. The effect of aqueous extracts and ash of Zhenan coal on the growth of mustard. V. B. Youk, Z. Kien, and H. Kusunagi. *Ibid.* 33-40.—See C.A. 48, 7120. IV. Comparative investigations on the effect of Zhenan coal and microelements on the growth of mustard in nutrient solutions. *Ibid.* 41-51.—See C.A. 48, 7120. N. Plavskii

Results of pot experiments are reported in the growth of *Z. murex* in Central China, without added manure, 1944, 1945, and 1946. The results are summarized in Table 1. The growth of *Z. murex* was significantly better in the plots and in the pots with the addition of brown coal. (Table 1, 2, 3). The growth of *Z. murex* and *Albizia julibrissin* in various Chinese nutrient soils, containing decreasing units of KNO_3 and increasing units of powdered brown coal, has been followed. All cultures grown in media with no KNO_3 were stunted and deficient in dry matter. This indicates that the plants were not able to obtain their N requirements directly from the soil added. It is postulated that the coal functions as a hormone promoting the uptake and exchange of ions in the nutritive process. III. The effect of aqueous extracts from ash of brown coal on the growth of *Staph. aureus*. V. N. Vost. Z. Klee, and N. Ruzhik. 1944, 51-51. Pot experiments with *Z. murex* show that the ash of Zenshi brown coal, added to a normal Chinese nutrient soil, in the pot, of 0.7% had no influence on the growth of the plant. A fertilizing effect was observed, however, when an eq. ext. of the ash was added to the nutrient soil. A slight effect was also observed when the ash obtained from the eq. ext. was added to the nutrient soil. IV. Comparative investigations on the effect of Zenshi coal and of microorganisms on the growth of *Staph. aureus* in nutritive solutions. (Table 1, 2, 3). The growth of *Z. murex* was studied in the following nutrient soils: (I) a normal Chinese soil; (II) a normal Chinese soil, containing 14.09% g. powder Zenshi brown coal (III); a normal Chinese soil, containing 1.78 cc. of the Hongland soil; (IV) a normal Chinese soil, containing 1.78 cc. of the Hongland soil, plus 14.09% g. powder brown coal; and (V) a normal Chinese soil, containing 1.78 cc. of the Hongland soil. With IV the dry matter content of the plant increased by 18% and the root elongated by 180%. The pot fertilizing effect of III and I

was far behind that of IV. With II the dry matter content increased by 240%. The far-fasting effect of V was

①

KLAS, Z

YUGOSLAVIA/Soil Science - Mineral Fertilizers.

J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67944

Author : Klas, Z.

Inst : Institute of Experimental Biology of Zagreb Academy.

Title : Physiological Analysis of the Fertilizing Capacity of Brown Coal. V. Nitrogen as One of the Components of Brown Coal's Fertilizing Action.

Orig Pub : Bull. scient. Conseil acad RIVY, 1956, 3, No 2, 52-53.

Abstract : Experiments in 1953 with *Ricinus communis*, conducted in the Institute of Experimental Biology of Zagreb Academy, confirmed the results of previous experiments in 1936 and 1951. Insufficiency of N or K elements [Krona N or K] could not be compensated by adding crushed brown coal from Zenika to the nutritive solution. Brown coal cannot serve as a direct source of mineral nitrogen or potassium

Card 1/2

- 35 -

KLASA, Jan

Development of the world plastics production during the years 1950-1960 and the prospects of its development until 1980. Pt.1. Tworsywa wielkoasast 6 no.10:309-314 0 '61.

1. Instytut Tworsyw Sztucznych, Warszawa.

(Plastics)

KLASA, Jan

Development of the world production of plastics during the years 1950-1960 and the perspectives of its development until 1980, Pt. 2.
Two.sywa wielkoczas 6 no.11:345-348 N '61.

1. Instytut Tworzyw Sztucznych, Warszawa.

HOSTOMSKA, L.; KLASCHKOVA, J.; SEJDOVA, E.

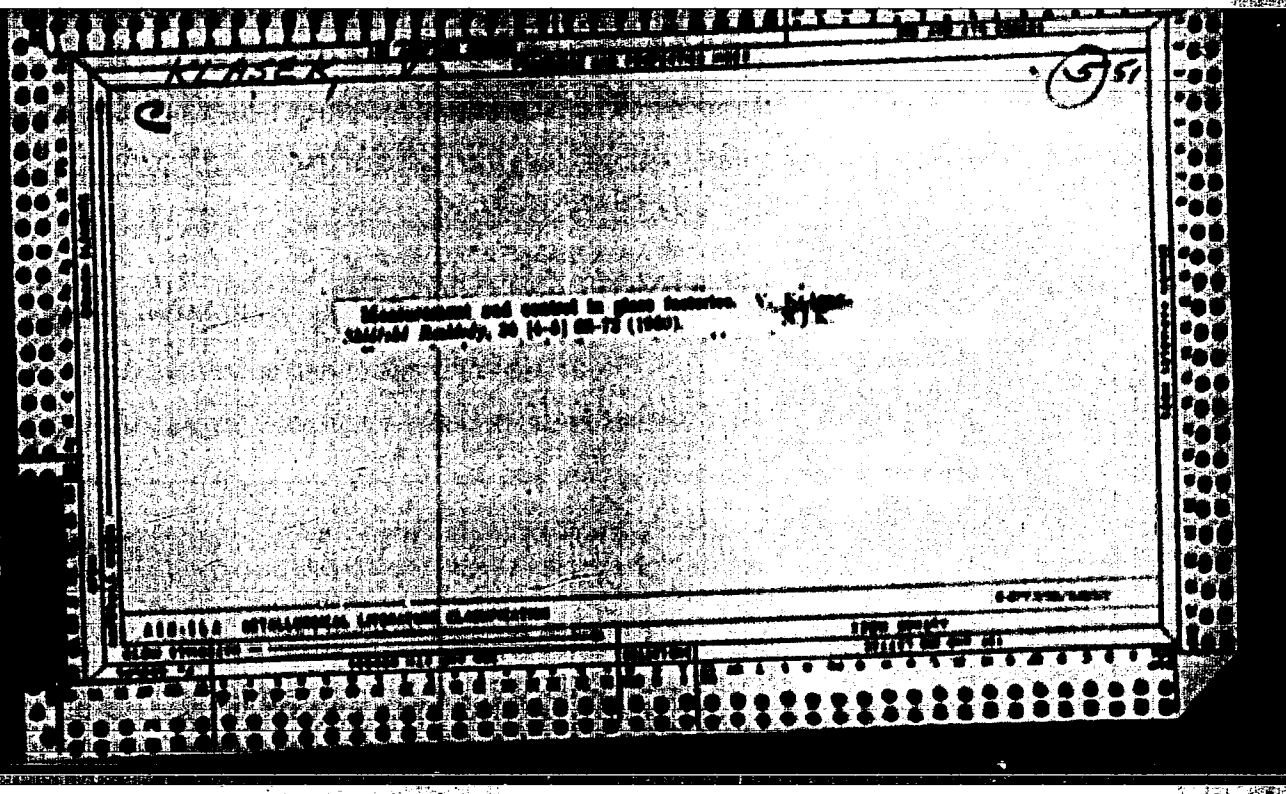
Effect of tolbutamide in diabetes in children and adolescents.
Cesk. pediat. 18 no.10:879-886 O '63.

1. Katedra fakultni pediatrie fakulty detskeho lekarstvi KU
v Praze, vedouci prof. dr. J. Honstek, DrSc.
(TOLBUTAMIDE) (BLOOD SUGAR)
(DIABETES MELLITUS, JUVENILE)

KLASEK, Evzen

Modeling plates from Pertinax. Slevarenství 12 no.6:244 Je '64.

1. Továrny na obrábací stroje, Svitavy.



Klasek, V.

2

Instruments for the Automatic Control of Metallurgical Processes. V. Klasek. (Technical Library, 1954, 8, Doc. Supplement 14-16). (12 pages). The types of instruments produced and projected for early production in Czechoslovakia, as well as other instruments for automatic control are discussed.

MB

Klasek
MB

KLASEK, V.

Automation of factory electric-power plants having a small capacity. p. 209.
(Energetika, Vol. 7, No. 4, Apr 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EKAL) LC, Vol. 6, No. 8, Aug 1957. Unol.

KULGANEK, V.; KLASHKA, V.

Simplified determination of aldolase activity in the blood serum. Vop. med. khim. 7 no. 4:434-437 J1-Ag '61. (MIRA 15:3)

1. Research Institute of Traumatology and the II Polyclinic, Brno, Czechoslovakia.

(ALDOGLASE)

KASHNIKOV, V.P.

Chemical thermoregulation in the Turkestan and brown rats.
Uzb. biol. zhur. 9 no.3:29-32 '65. (MIRA 18:8)

1. Institut zoologii i parazitologii AN GSSR.

KLASH FOR NY, M.L.

ALASH FOR NY, M.L. *from amalgams* *KLASH FOR NY, M.L.*
ALASH FOR NY, M.L. *from amalgams* *KLASH FOR NY, M.L.*

STRANAK, Antonin, ins. CSc., KLASKA, Frantisek, ins.

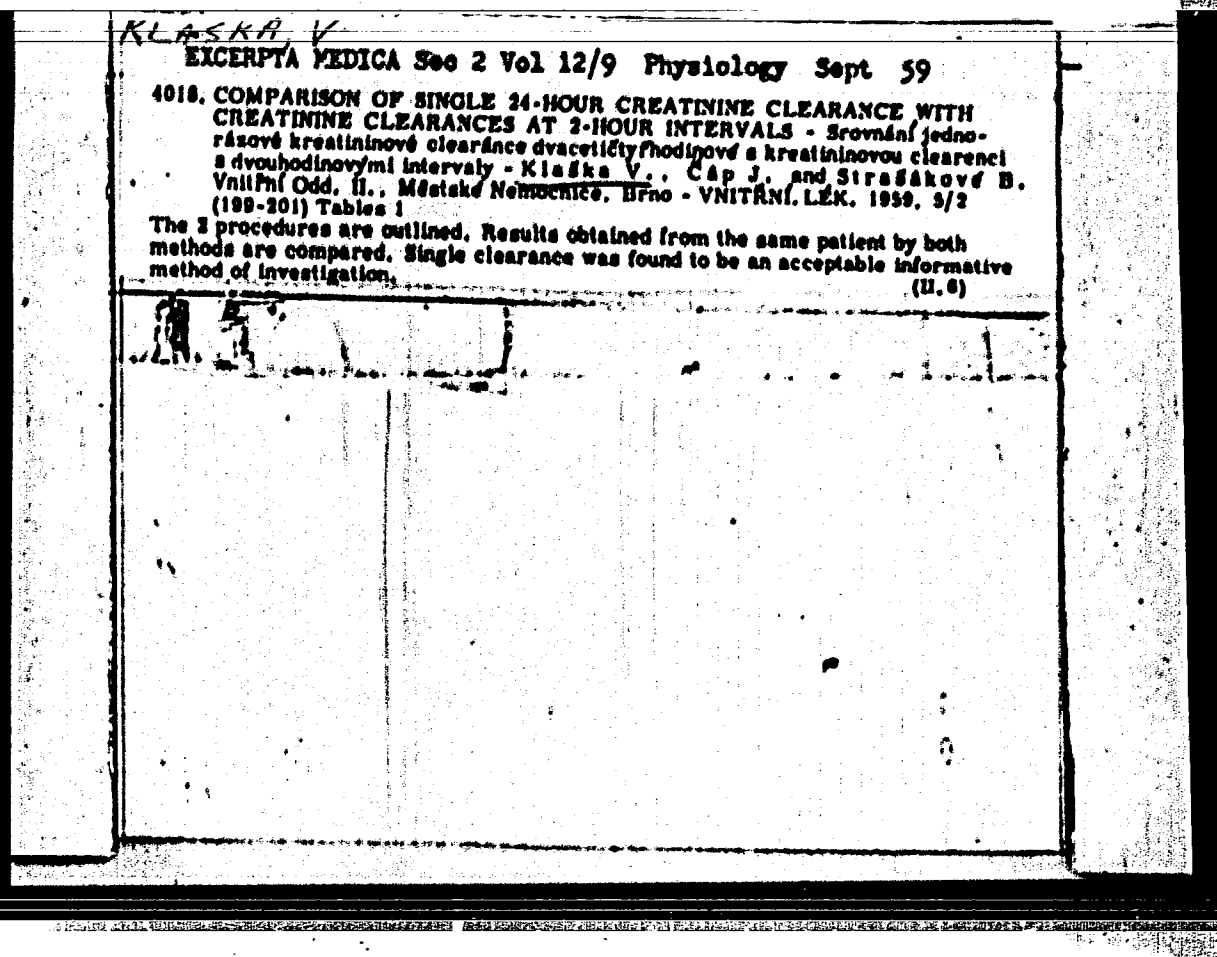
Effect of the tillage with rotary and subsoil plows on the dynamics of soil physical properties and soil water conditions. Zemedel tech 10 no.12:723-750 D '64.

1. Research Station of Basic Agrotechny and Fertilizing, Pohorelice near Brno. Head of the Station: [ins. CSc.] Antonin Stranak. Submitted on September 7, 1964.

STRADAL, Oldrich, ins.; KLASKA, Frantisek, ins.

Some results of the complex research on nitrogen fertilisation of clover and grass-clover mixtures. Rost'vyroba 10 no. 7:675-694 J1 '64.

1. Research Station of Clovers and Grasses, Troubeko near Brno (for Stradal). 2. Research Station of Basic Agricultural Engineering and Fertilisation, Pohorelice (for Klaska).



HURIAN, F., academician; KLASKOVA, O.; FARKAS, L.G.; CERVENKA, J.

Questionnaire for research on the etiology of cleft-lip and cleft palate and other congenital malformations. Acta chir. plast. (Praha) 6 no.2:88-113 '64

1. Laboratory for Plastic Surgery, Czechoslovak Academy of Sciences, Prague (Czechoslovakia), Director: Academician F.Durian.

FARKAS, L.O., MUDr.; KLASKOVA, O., MUDr.

Experiences with a key questionnaire in research work. Cesk.
sdrav. 11 no.12:514-516 D'63.

1. Laborator plasticke chirurgie GSAV, Praha.

KOZINKA, Vladimir; KLASOVA, Albina; NIZHNYANSKI, Augustin [Niznansky, Augustin]

Changes in the physiological regulation of transpiration caused by the action of industrial wastes. Biologia 18 no.8:565-578 '63.

1. Otdeleniye fiziologii rasteniy Botanicheskogo instituta Slovatskoy akademii nauk, Bratislava.

CZECHOSLOVAKIA

KOZINKA, Vladimir, KLASOVA, Albina, and NIZNANSKI, Augustin; Department of Plant Physiology of the Botanical Institute of The Slovak Academy of Sciences (Oddelenie fyziologie rastlin Botanického inštitutu SAV,) Bratislava.

"Changes in Physiologic Regulation of Plant Transpiration Ascribable to Industrial Pollutants."

Bratislava, Biologia, Vol 18, No 8, 1963; pp 565-578.

Abstract [Russian article; German summary modified]: Histologic and metabolic studies of effect of some fluorine compounds commonly present in industrial pollutants onto *Cucumis sativa* L., applied as spray or in powder form. The changes in intensity of stomatal and cuticular transpiration were of greater importance than actual total effect on transpiration as such. The stomata closed and cuticular lesions appeared. When they are wet, trichomes lose their protective capacity. Five tables, 5 graphs; 8 photomicrographs; 1 Czech, 2 Soviet and 23 Western references.

1/1

APPROVED FOR RELEASE: 09/17/2001, A. CIA-RDP86-00513R000722930012-5

BARINKA, R.P., MOSKOVSKIY, A.K.

Structure and development of prostrate dwarf forms in *Pinus mughus* Scop. and *Juniperus sibirica* Burged. in the eastern Carpathians. Bot. zhur. 48 no.7:949-964. J1 '63. (MIRA 16:9)

1. Moskovskiy gosudarstvennyy universitet.
(Carpathian Mountains--Juniper) (Carpathian Mountains--Pine)

KLASOMA, A.

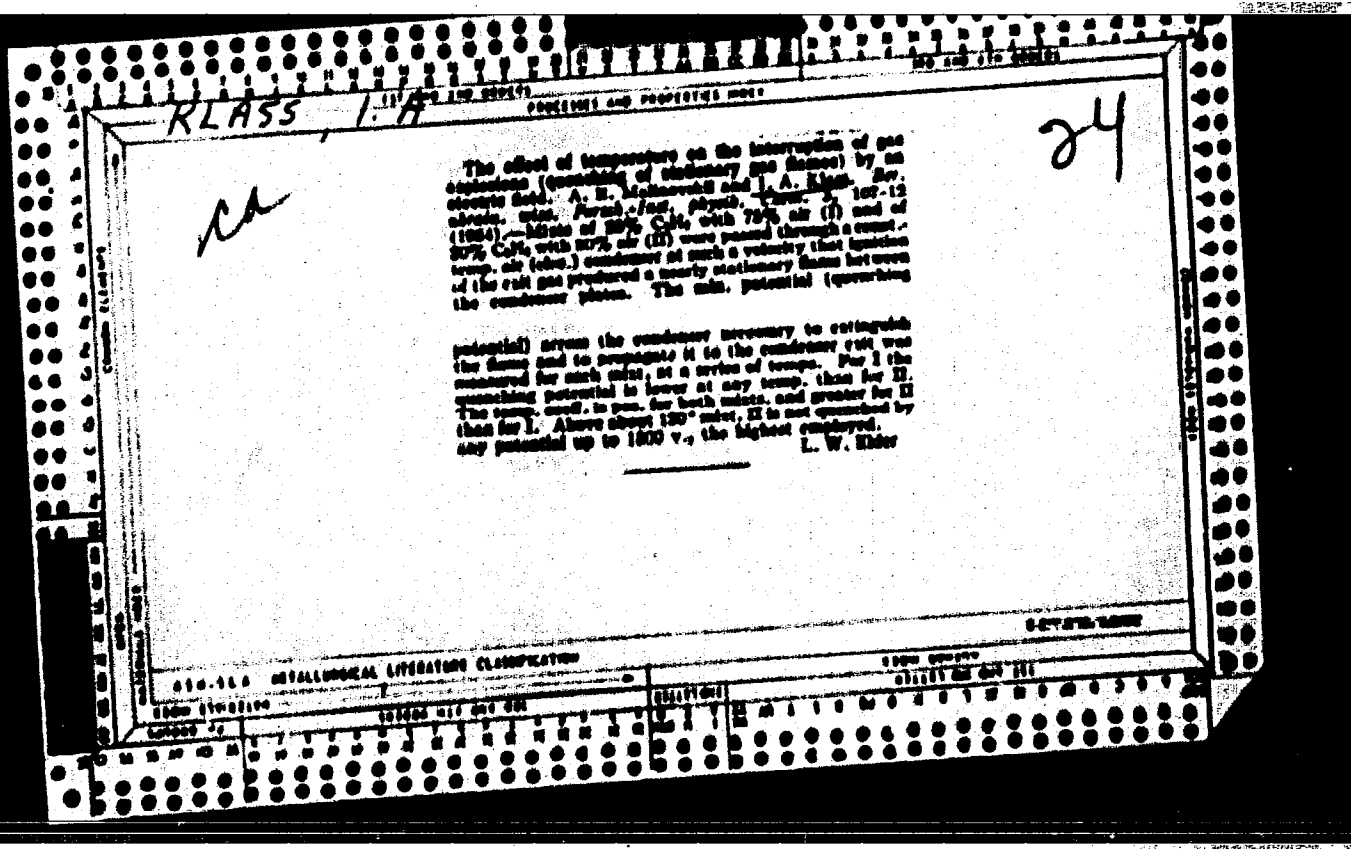
"Principles of compensating workers in the automotive services in the USSR."
p. 357. (MOTORYZACJA. Vol. 9, No. 12, Dec. 1954. Warsaw, Poland)

SO: Monthly List of East European Accessions. (ZEAL). LS. Vol. 4, No. 4.
April 1955. Uncl.

KLASOWA, A.; WARGIN, I.

Principles of sewage system for the workers of automotive enterprises in the USSR, II,
p. 13. (MOTORYZACJA, Warszawa, Vol. 10, No. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EKAL), LC, Vol. 4, No. 6, June 1955,
Uncl.



CLASS, I.A.

Latent image modifications in photographic emulsion layers subjected
to reexposure. Usp. mach. fot. 3:94-98 '55. (MIRA 9:1)
(Photographic sensitometry)

9(4)

SOV/112-59-1-1596

*Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 225 (USSR)

AUTHOR: Klass, I. A.

TITLE: Formation of Near-Electrode Layers in Powder-Compacted Semiconductor Materials

PERIODICAL: Uch. zap. Rishsk. ped. in-t. 1957, Vol 4, pp 143-148

ABSTRACT: Near-electrode layers in powdery semiconductor materials formed by pressed-in electrodes have been studied. Samples compacted from NiO (black), ZnO, CdS, and others have been investigated. Some samples are cylindrical with the electrodes on top and bottom; other samples are pressed in a metal ring with an axial electrode. Both types of samples have been investigated in a vacuum and in a gas atmosphere. An electric measurement scheme is presented. Data on humidity and gas influence upon the electric properties of the samples is submitted. The best NiO samples have an EMF as high as 0.08 v but have a slightly unipolar conductance.

V.N.Ye.

Card 1/1

BANIN, T.A., inzh.; KLASS, V.I., inzh.

Device for preventing the slipping off of the cable. Bezop. truda
v prom. 5 no.8:33 Ag '61. (MIRA 14:8)

(Excavating machinery)

8/032/62/028/003/008/017
B101/B138

AUTHORS: Nesmeyanov, An. N., Pozdeyev, V. V., and Klass, Ya.
TITLE: Measurement of the activity of organic compounds containing tritium

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 3, 1962, 305 - 307

TEXT: A variant of K. E. Wilsbach's method (Ref. 3, see below) is described. The tagged organic substances are heated with zinc dust, nickel oxide, and water in an ampoule at 640°C for 3 hr. The temperature is measured with a Chromel-Alumel thermocouple connected to an ERM-47 (ERM-47) apparatus. The resulting methane and hydrogen (pressure 20 mm Hg) are pumped into an CSM-8 (SBM-8) counter, and cyclohexane is added up to a total pressure of 40 mm Hg. The activity is measured with a β (B) radiometer. By using cyclohexane instead of butane as quenching gas, the $\text{CH}_4 + \text{H}_2$ concentration can be increased and the size of the apparatus reduced. The method was used to measure the activity of tagged cyclohexene, cyclohexadiene-1,3, and adipic, succinic and glutaric acids. The error of measurement was not more than 1%. The accuracy of measurement

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Measurement of the activity...

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does not depend on the amount of H_2O added. Therefore it is possible to convert tagged organic compounds without H_2O addition, which is important for measuring only slightly radioactive preparations. There are 3 figures, 1 table, and 4 references: 1 Soviet and 3 non-Soviet. The three references to English-language publications read as follows: Nucleonics, 16, no. 3, 62 (1958); R. L. Wolfgang, C. P. Mackay. Nucleonics, 16, no. 10, 69 (1958); K. E. Wilsbach, L. Kaplan, W. G. Brown. Science, 118, 522 (1953). ✓

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova
(Moscow State University imeni M. V. Lomonosov)

Card 2/2

KESMEYANOV, An.N.; POZDEYEV, V.V.; KLASS, Ya.

Measurement of the activity of tritium-containing organic compounds. Zav.lab. 28 no.3:305-307 '62. (MIRA 15:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Organic compounds) (Radioactive tracers) (Tritium)

KLASS, Z. I.

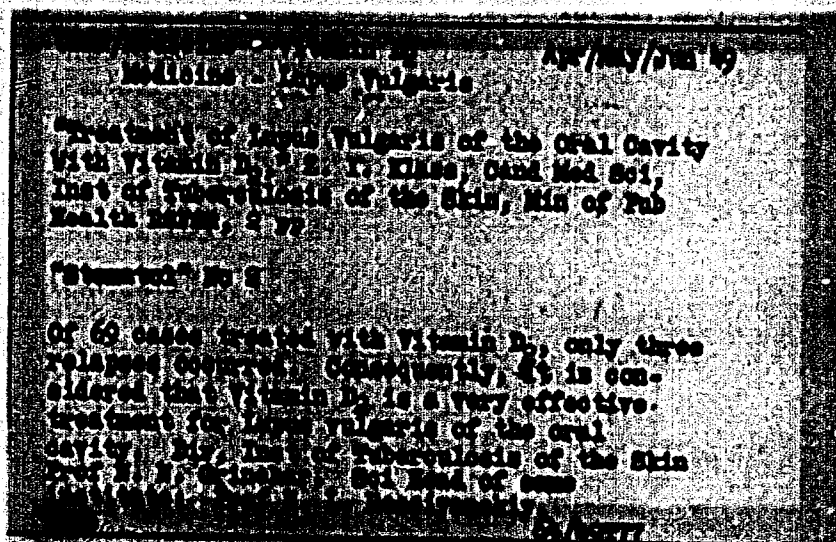
Klass, Z. I. "Treatment of lupus tuberculosis of the oral mucosa with pyocide,"
[Qualifying bachelor's dissertation], Byulleten' In-ta tuberkuleza Akad. med. nauk
SSSR, 1948, No. 4, p. 46-47

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

Card.

CLASS, Z. 1.

PA 64/49777



KLASS, Z.

PA 18/49T63

USSR/Medicine - Tuberculosis Oct/Nov/Dec 48
Medicine - Literature, Medical

"Review of the Book, 'Tuberculosis of the
Superior Mediastinum, Trachea, Bronchi, Mouth,
and Esophagus' by A. N. Voznesenskiy," Z. Klass,
2 p

"Stomatologiya" No 4

Reviews favorably. Published by Medgiz, 1948,
380 pp, 159 sketches, price 19 rubles 50 kopeck.

18/49T63

KLASS, 2. I.

**Dynamics of dental caries and modifications of the alveolus
in lupus tuberculosis during vitamin D₂ therapy. Stomatologia,
Moskva no.3:21-23 1951. (CML 21:1)**

**1. Candidate Medical Sciences. 2. Of the Scientific-Research
Institute for Skin Tuberculosis (Director -- Prof. F. V.
Shebanov; Scientific Deputy -- Prof. N.L. Kossiyanskiy),
Ministry of Public Health USSR.**

KLASS, Z.I., kandidat meditsinskikh nauk

**Phthivasid therapy of lupus tuberculosis of the oral mucosa.
Stomatologiya no.4:19-21 Ji-Ag '54. (MIRA 7:9)**

**1. Is Nauchno-issledovatel'skogo instituta tuberkuleza koshi (dir.
kandidat meditsinskikh nauk I.N.Agapkin, i.e. sam. dir. po nauch-
noy chasti docent I.I.Yukelis) Ministerstva zdoravookhraneniya RSFSR.**

**(TUBERCULOSIS,
of mouth, ther., iseniasid)**

**(NICOTINIC ACID ISOMERS, therapeutic use,
iseniasid in oral tuberc.)**

**(MOUTH, diseases,
tuberc., ther., iseniasid)**

KLASSA-BRUNICKI, Hugo, agr ins.

Sump packing in loess soils by siltation. Gosp wodna 23
no.6:219-221 Je '63.

ZMIJEWSKI, Fawel, doc. mgr inż. (deceased); SKARZYŃSKA, Krystyna, mgr
inż.; KLASSA-BRUNICKI, Hugo, mgr inż.

Utilization of postproduction waste materials for the needs of
earthwork construction. Gosp wodna 24 no. 4:125-128 Ap '64.

Klassen, E Ya.

AUTHORS: Kuznetsov, P.K., Klassen, E.Ya.

130-58-2-15/21

TITLE: Reconstruction of a Continuous Furnace (Rekonstruktsiya metodicheskoy pechi)

PERIODICAL: Metallurg, 1958, ³Nr 2, 28 - 29 (USSR)

ABSTRACT: In 1954, designs by the Sverdlovsk branch of the Gipromez were used in the reconstruction of Nr 2 reheating furnace (Fig.1) in the rolling-mill shop at the Gur'yevsk Metallurgical Works. The object was to raise productivity from 7-9 to 20 tons/hour. The reconstructed furnace worked badly because the combustion-chamber grate was unsuitable for the 6-10% ash coal and fuel consumption rose to 209 kg of coal/ton. A further reconstruction (Fig.2) was carried out, sloping grate bars and medium-pressure air being provided. Ash removal was mechanised and was effected in 10-15 min (compared with the 8 hours required previously) without interference with furnace operation: coal consumption decreased to 155-165 kg/ton. There are 2 figures.

ASSOCIATION: Gur'yevskiy metallurgicheskiy zavod (Gur'yevsk Metallurgical Works)

AVAILABLE: Library of Congress

Card 1/1

1. Rolling mills-Operation 2. Reheating furnaces-Design

KLASSEN, G.Ya. (Temir-Tau, Karagandinskoy oblasti, kvartal 72, d.16, kv.56)

Bitumen burns in construction workers. Ortop., travm. i protez.
26 no.5:46-49 My '65. (MIRA 18:10)

1. Iz mediko-sanitarnoy chasti (glavnyy vrach - S.F. Slivnykh)
Karagandinskogo metallurgicheskogo zavoda.

KLASSEN I. P. (Kiev)

"Results of the investigation of the viscosity, density, and electrical conductivity of amalgams of zinc and cadmium."

Report presented at the Fourth all Union conference on the Liquid State of Matter.

Kiev State Univ. 1-4 June 1959

GOLIK, A.Z.; KLASSEN, I.P.; KUCHAK, G.M.

Speed of propagation of ultrasonic waves in certain zinc and cadmium
amalgams. Akust.sbur. 7 no.2:258-260 '61. (MIRA 14:7)

1. Kiyevskiy gosudarstvennyy universitet.
(Ultrasonic waves—Speed) (Zinc amalgam)
(Cadmium amalgam)

KLASSEN, I. F.

STRUCTURE AND PHYSICAL PROPERTIES OF MATTER IN A LIQUID STATE
reports read at the 4th Conference convened in KIEV from 1 to 5 June
1959, published by the Publishing House of KIEV University, KIEV,
USSR, 1962

A.S. GOLIK and I.V. KLASSEN, Connection Between Viscosity and Electrical Conductivity and the Structure of Zinc and Cadmium Amalgams	96
A.S. LASHKO, Neutronographic Investigation of the Liquid Au-Zn Alloy	101
A.V. ROMANOV and A.S. LASHKO, Neutronographic Inves- tigation of the Structure of Tin-Lead Liquid Alloys	107
YA.I. GORASIKOV, A.V. NIKOL'SKAYA and A.M. YEVSEYEV, Thermodynamic Properties of Liquid Metallic Alloys	115
N.I. FORNOVSKIY and D.S. TILAKH, Investigation into Adsorption Layers on a Liquid Metallic Surface	119
V.K. ZHENCHENKO, On the Basic Types of Phase Transitions	124
V.B. ZHENCHENKO and E.V. KHRUSHCHINSKIY, Dielectric Parameters of the Binary Liquid Systems within the Critical Region and the Adjoining Regions	135

S/843/62/000/000/006/010
D207/D308

AUTHORS:

Colik, ... and Klason, I.P.

TITLE:

Relationship of the viscosity and electrical conductivity with the structure of zinc and cadmium amalgams

SOURCE:

Stroyeniye i fizicheskiye svoystva veshchestva v zhidkom sostoyanii; materialy IV soveshch. po probl. zhidkogo sost. veshchestva, v Kiyev 1959 g. Kiev, Izd-vo Kiev. univ., 1962, 96-100

TEXT:

The purpose of this work was to check the hypothesis that both the first (shear) viscosity and the electrical conductivity of liquid metals and their solutions are related to the short-range order. The viscosity, density and electrical conductivity of zinc and cadmium amalgams were measured at temperatures up to 350°C in a wide range of compositions. Amalgams with the same viscosity had the same short-range order but different electrical conductivities. Amalgams with the same electrical conductivity had practically the

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Relationship of the viscosity ...

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same density but different viscosities. The results confirm the hypothesis cited above. There are 4 figures and 1 table.

ASSOCIATION:

Kiyevskiy gosudarstvennyy universitet (Kiev State University)

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229
Kislyuk, N.
to
Klassen I.F.

END